Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Company Lease & Well No. Davis A-2

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 24596

Date 2-2-77 Sec. 9 Twp. 32S Range 6 W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Bill Baker

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4315' to 4335' Total Depth 4335'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged X Yes - No

Top Packer Depth 4310 Ft. Size 6 3/4 Bottom Packer Depth 4315 Ft. Size 6 3/4

Straddle - Conv. - B.T. - Damaged - Yes No Packer Depth - Ft. Size -

Tool Size 5½OD Tool Joint Size 4½FH Anchor Length 20 Ft. Size 5½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4328 Ft. Clock No. 10167 Depth 4331 Ft. Clock No. 8475

Top Make Kuster Cap. 3150 No. 1565 Inside Outside Bottom Make Kuster Cap. 3150 No. 1562 Inside Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 4:28A M

Tool Open I.F.P. From 4:30A M. to 5:00A M. - Hr. 30 Min. From (B) 45 P.S.I. To (C) 48 P.S.I.

Tool Closed I.C.I.P. From 5:00A M. to 5:45A M. - Hr. 45 Min (D) 1651 P.S.I.

Tool Open F.F.P. From 5:45A M. to 6:55A M. - Hr. 70 Min. From (E) 38 P.S.I. To (F) 64 P.S.I.

Tool Closed F.C.I.P. From 6:55A M. to 7:55A M. - Hr. 60 Min. (G) 1735 P.S.I.

Initial Hydrostatic Pressure (A) 2417 P.S.I. Final Hydrostatic Pressure (H) 2336 P.S.I. Maximum Temp. 138

INFORMATION

BLOW Strong blow throughout test . Gas to surface 30minutes/

Did Well Flow - Yes X No Recovery Total Ft. 120' Gas cut mud

Reversed Out - Yes X No Mud Type Starch Viscosity 50 Weight 9.7 Water Loss 6.48 cc. Chlorides 36,000P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Sweetman # 1 Length Drill Pipe? 4055 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 2-2-77 Test Ticket No. 24596

Recorder No. 1565 Capacity 3150 Location 4328 Ft.

Clock No. 10167 Elevation – Well Temperature 138 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2417 P.S.I.		Open Tool	4:28A M	
B	First Initial Flow Pressure	45 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	48 P.S.I.		Initial Closed-in Pressure	45 Mins.	39 Mins.
D	Initial Closed-in Pressure	1651 P.S.I.		Second Flow Pressure	70 Mins.	70 Mins.
E	Second Initial Flow Pressure	38 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	64 P.S.I.				
G	Final Closed-in Pressure	1735 P.S.I.				
H	Final Hydrostatic Mud	2336 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 13 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 14 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	45		0	48		0	38		0	64
P 2	5	42		3	219		5	39		3	792
P 3	10	44		6	729		10	42		6	1422
P 4	15	45		9	1051		15	45		9	1561
P 5	20	45		12	1276		20	49		12	1627
P 6	25	47		15	1389		25	50		15	1663
P 7	30	48		18	1473		30	52		18	1688
P 8				21	1529		35	53		21	1696
P 9				24	1567		40	55		24	1710
P10				27	1596		45	56		27	1714
P11				30	1617		50	58		30	1721
P12				33	1631		55	61		33	1724
P13				36	1643		60	63		36	1726
P14				39	1651		65	64		39	1728
P15							70	64		42	1729
P16										45	1730
P17										48	1731
P18										51	1732
P19										54	1733
P20										57	1734
										60	1735

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 2-2-77 Ticket 24596 Company Lee Phillips Oil company

Well Name and No. Davis A-2 Dst No. 1 Interval Tested 4315'-4335'

County Harper State Kansas Sec. 9 Twp. 32S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
	GAS TO SURFACE IN 30MINUTES					
SECOND FLOW						
5:50AM	35 Min	2.5PSIG	¼'CHoke			14,300 CF.PD. Gas
6:00Am	45 Min.	4 PSIG	¼ Choke			18,500 C.F.P.D. Gas
6:10AM	55 Min	5.5 PSIG	¼ Choke			21,800 C.F.P.D. Gas
6:20 AM	65 Min	6 PSIG	¼ choke			22,900 C.F.P.D. Gas
6:30 AM	75 Min	6.5 PSIG	¼ Choke			23,00 C.F.P.D. Gas
6:40 AM	85 Min	7 PSIG	¼ Choke			25,000 C.F.P.D. Gas
6:50 Am	95 Min	7.5 PSIG	¼ Choke			26,100 C.F.P.D. Gas
6:55 Am	100 Min	7.5 PSIG	¼ Choke			26,100 C.F.P.D. Gas

GAS BOTTLE

Serial No. – Date Bottle Filled – Date to be Invoiced –

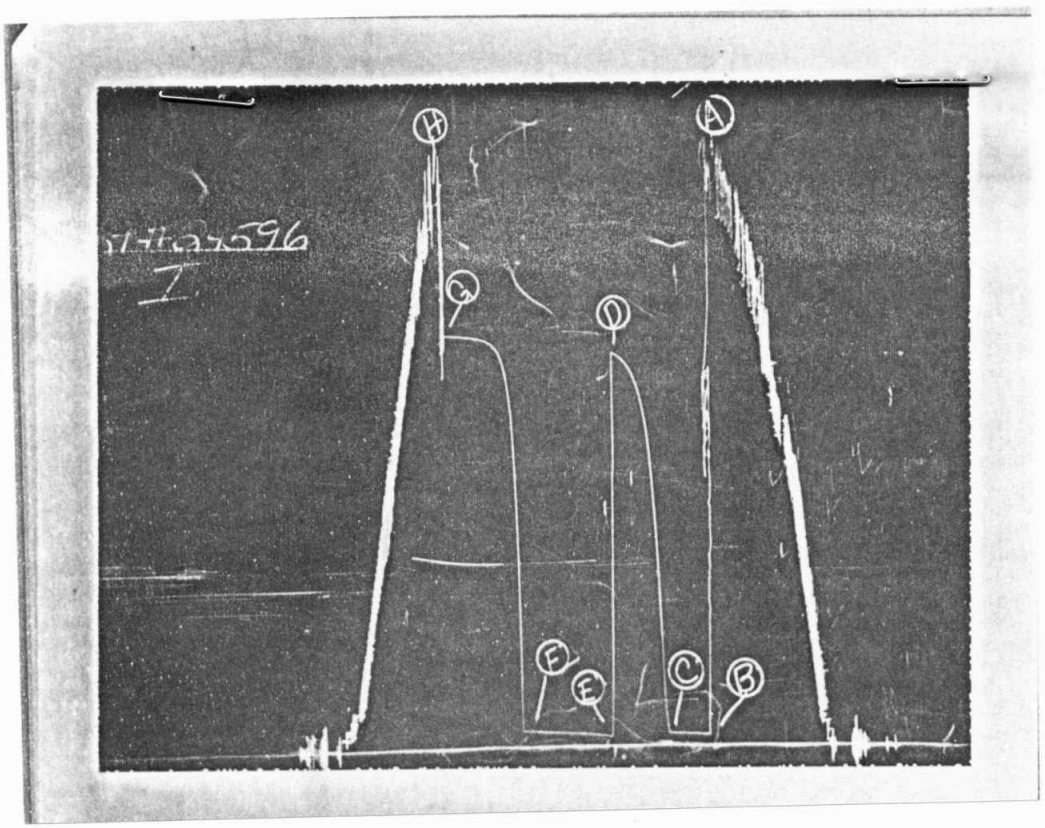
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Lee Phillips Oil Company

Authorized by Robert E. McCann

COMPANY Lee Phillips Oil Company LEASE AND WELL NO. Davis A-2 SEC. 9 TWP. 32S RGE. 6 W TEST NO. 1 DATE 2-2-77



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2399	2417	PSI
(B)	First Initial Flow Pressure	54	45	PSI
(C)	First Final Flow Pressure	54	48	PSI
(D)	Initial Closed-in Pressure	1679	1651	PSI
(E)	Second Initial Flow Pressure	62	38	PSI
(F)	Second Final Flow Pressure	86	64	PSI
(G)	Final Closed-in Pressure	1764	1735	PSI
(H)	Final Hydrostatic Mud	2317	2336	PSI

WESTERN TESTERS

Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Company Lease & Well No. Davis A-2

Elevation 1384 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 21777

Date 2-4-77 Sec. 9 Twp. 32 S Range 6W County Harper State Kansas

Test Approved by Robert E. McCann Western Representative Forrest Purnell

Formation Test No. 2 O.K. X Misrun - Interval Tested From 4692' to 4710' Total Depth 4710'

Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv - B.T. X Damaged - Yes X No

Top Packer Depth 4687 Ft. Size 6 3/4 Bottom Packer Depth 4692 Ft. Size 6 3/4

Straddle No Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -

Tool Size 4½OD Tool Joint Size 3½IF Anchor Length 18 Ft. Size 4½OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4702 Ft. Clock No. 8476 Depth 4705 Ft. Clock No. 6800

Top Make Kuster Cap. 4200 No. 1558 Inside / Outside Bottom Make Kuster Cap. 3150 No. 1564 Inside / Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside / Outside Depth - Ft. Rec. No. - Clock No. - Inside / Outside

Time Set Packer 1:13P M

Tool Open I.F.P. From 1:15P M. to 1:45P M. - Hr. 30 Min. From (B) 276 P.S.I. To (C) 689 P.S.I.

Tool Closed I.C.I.P. From 1:45P M. to 2:30P M. - Hr. 45 Min (D) 1745 P.S.I.

Tool Open F.F.P. From 2:30P M. to 3:30P M. - Hr. 50 Min. From (E) 783 P.S.I. To (F) 1450 P.S.I.

Tool Closed F.C.I.P. From 3:30P M. to 4:15P M. - Hr. 45 Min. (G) 1745 P.S.I.

Initial Hydrostatic Pressure (A) 2339 P.S.I. Final Hydrostatic Pressure (H) 2309 P.S.I. Maximum Temp. 156

INFORMATION

BLOW Strong blow throughout test . Gas to surface 3½ Minutes

Did Well Flow X Yes - No Recovery Total Ft. 300' gas cut muddy water.

Reversed Out X Yes - No Mud Type Tempermex - oil Viscosity 44 Weight 9.3 Water Loss 29.6 cc. Chlorides 23,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Sweetman Drlg. 10 Length Drill Pipe? 4392 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4½XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. - Tool Joint Size - In. Length Drill Collars 280 Ft. I.D. Drill Collars 2¼ In.

Tool Joint Size 4½XH In. Length D.S.T. Tool 38 Ft.

Remarks:

Reversed out some oil. unable to reversed out rest plugged cir sub .

Operator did not want gas gauged by tester

WESTERN TESTING CO., INC.

Pressure Data

Date 2-4-77 Test Ticket No. 21777

Recorder No. 1558 Capacity 4200 Location 4702 Ft.

Clock No. 8476 Elevation 1384 Kelly Bushing Well Temperature 156 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2339 P.S.I.		Open Tool	1:13P M	
B	First Initial Flow Pressure	276 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	689 P.S.I.		Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	1745 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	783 P.S.I.		Final Closed-in Pressure	45 Mins.	48 Mins.
F	Second Final Flow Pressure	1450 P.S.I.				
G	Final Closed-in Pressure	1745 P.S.I.				
H	Final Hydrostatic Mud	2309 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	276
P 2 5	293
P 3 10	363
P 4 15	482
P 5 20	525
P 6 25	608
P 7 30	689
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	689
3	1736
6	1740
9	1741
12	1741
15	1741
18	1742
21	1742
24	1742
27	1743
30	1743
33	1744
36	1744
39	1745
42	1745
45	1745

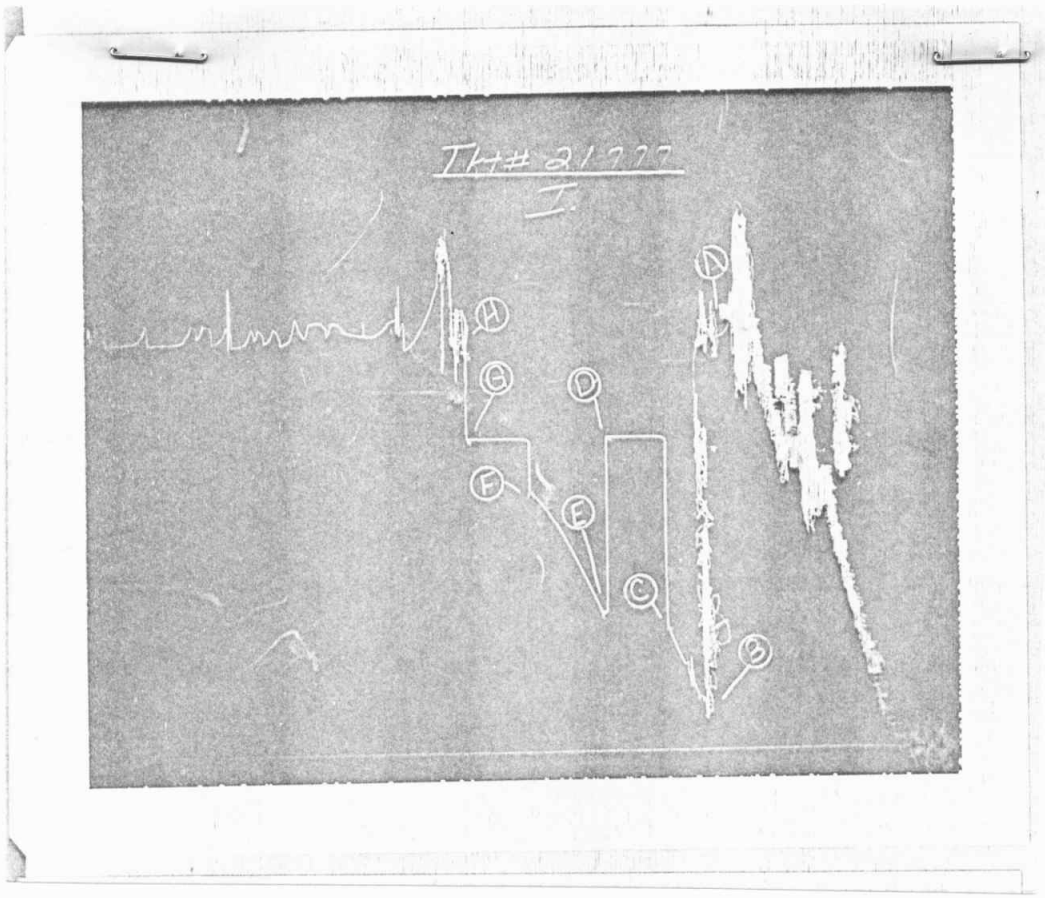
Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	783
5	789
10	866
15	944
20	1019
25	1090
30	1163
35	1226
40	1278
45	11332
50	11380
55	1418
60	1450

Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	1450
3	1736
6	1738
9	1740
12	1741
15	1742
18	1742
21	1742
24	1743
27	1743
30	1745
33	1745
36	1745
39	1745
42	1745
45	1745
48	1745

COMPANY Lee Phillips Oil Company LEASE AND WELL NO. Davis A-2 SEC. 9 TWP. 32S RGE. 6 W TEST NO. 2 DATE 2-4-77



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2321	2339	PSI
(B)	First Initial Flow Pressure	284	276	PSI
(C)	First Final Flow Pressure	683	689	PSI
(D)	Initial Closed-in Pressure	1729	1745	PSI
(E)	Second Initial Flow Pressure	766	783	PSI
(F)	Second Final Flow Pressure	1434	1450	PSI
(G)	Final Closed-in Pressure	1729	1745	PSI
(H)	Final Hydrostatic Mud	2290	2309	PSI